



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010507
CERTIFICATION DATE: September 25, 2013
DATE RECERTIFICATION DUE: March 24, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

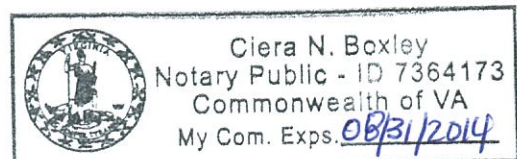
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 15th day of October, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/27/2013**

HMS
NMJ

Instrument Serial Number: 010507

As of 27-Sep-13

Maintenance Date	Certification Date	Technician Initials	Remarks
25-Sep-13	25-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
16-Apr-13	16-Apr-13	HMS (18910)	CERTIFIED, REPLACED PRINTER RIBBON.
06-Nov-12	06-Nov-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
30-May-12	30-May-12	HMS (18910)	CERTIFIED
07-Dec-11	07-Dec-11	HMS (18910)	CERTIFIED
22-Jun-11	22-Jun-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
19-Jan-11	19-Jan-11	HMS (18910)	CERTIFIED
02-Aug-10	02-Aug-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
24-Feb-10	24-Feb-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
11-Sep-09	11-Sep-09	HMS (18910)	CERTIFIED.
31-Mar-09	31-Mar-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
29-Oct-08	29-Oct-08	HMS (18910)	CERTIFIED.
21-Oct-08	21-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

ANS
MSK

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010507 Worksheet Start Date 9/25/2013
Location Washington County
Address 15205 Joe Derting Dr., Abingdon, VA 24210
DFS Technician Heather Stanton License No. 18910

☐ Laboratory

☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.
New serial no.
E-Seek
Keyboard
Printer
UPS

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

75
75
2 pads

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010507

Certification Date 9/25/2013

Instrument Barometer (mm HG) 699

Reference Barometer (mm HG) 703

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.228
0.250	0.230	0.223	0.236	Sample 2	0.227
Precision		sample min	sample max	Sample 3	0.227
0.001		0.227	0.228		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.139
0.150	0.138	0.133	0.142	Sample 2	0.139
Precision		sample min	sample max	Sample 3	0.139
0		0.139	0.139		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.074
0.080	0.074	0.071	0.077	Sample 2	0.074
Precision		sample min	sample max	Sample 3	0.074
0		0.074	0.074		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.018
0.020	0.018	0.015	0.021	Sample 2	0.018
Precision		sample min	sample max	Sample 3	0.018
0		0.018	0.018		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-08

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.092
0.100	0.092	0.089	0.095	Sample 2	0.092
Precision		sample min	sample max	Sample 3	0.092
0		0.092	0.092		

DFS Technician

Heather M. Stanton

Date

9/27/13

Issuing Analyst

Melissa Kennedy

Date

9/30/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten initials: HHS and MOK

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/25/2013
TEST EQUIPMENT NUMBER 010507		

RESULTS: TIME SAMPLE TAKEN 14:43 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 27 Sep 2013 at 08:46

AMS
NLS

Test Results

Instrument Serial Number 010507

Test # 000999 Subject Test

Test Location 1 Department of
Test Date 25 Sep 2013

Test Location 2 Forensic Science
Test Time 14:37
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 25 Sep 2013 End Time 14:44

Result Time 14:43

Result Date 25 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:37

Data Type BLK

Sample Value 0.000

Sample Time 14:38

Data Type CHK

Sample Value 0.093

Sample Time 14:39

Data Type BLK

Sample Value 0.000

Sample Time 14:40

Data Type SUBJ

Sample Value 0.000

Sample Time 14:41

Data Type BLK

Sample Value 0.000

Sample Time 14:42

Data Type SUBJ

Sample Value 0.000

Sample Time 14:43

Data Type BLK

Sample Value 0.000

Sample Time 14:44

Standard Type Dry Gas Std

Standard Value 0.092

Standard Lot Number AG217702-22

Standard Expiration Date 06/25/2014

Tank Pressure 678

Barometric Pressure 700 mmHg

Blow Sample Number 1 Blow Duration 3.32 sec

Blow Volume 1735 cc End-of-Blow Time 14:41

Blow Sample Number 2 Blow Duration 3.61 sec

Blow Volume 1727 cc End-of-Blow Time 14:43

Tamper Evident Stamp 0a699b74

Test Status Code 0

Test Status Success

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010507 Test Number: 1000

Test Date: 09/25/2013 Test Time: 14:45 EDT

Dry Gas Target: 0.092

Lot Number: AG217702-22 Exp Date: 06/25/2014

Tank Pressure: 678 psi Barometric Pressure: 699 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:46
CHK	0.093	14:46
BLK	0.000	14:48
CHK	0.093	14:49
BLK	0.000	14:50
CHK	0.093	14:51

Test Status: *Success*

Calibration CRC: 01E80B41

HMS
WHL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010507 Test Number: 1001

Test Date: 09/25/2013 Test Time: 14:53 EDT

Dry Gas Target: 0.276

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 291 psi Barometric Pressure: 699 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:54
CHK	0.277	14:55
BLK	0.000	14:57
CHK	0.277	14:57
BLK	0.000	14:59
CHK	0.276	15:00

Test Status: *Success*

Calibration CRC: 01E80B41

AMS
NHL

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010507

System Date: 09/25/2013

System Time: 15:24 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

HLIS
MSK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010507 Test Number: 1002

Test Date: 09/25/2013 Test Time: 15:26 EDT

Dry Gas Target: 0.092

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 703 psi Barometric Pressure: 699 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:27
CAL	0.092	15:28

Test Status: *Success*

Calibration CRC: 95EDC1E8

HMS
WDL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010507 Test Number: 1003
Test Date: 09/25/2013 Test Time: 15:30 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.230

Lot Number: 29612250I2-08 Exp Date: 11/01/2014

Tank Pressure: 659 psi Barometric Pressure: 699 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	15:30
BLK	0.000	15:31
CHK	0.228	15:32
BLK	0.000	15:33
CHK	0.227	15:34
BLK	0.000	15:36
CHK	0.227	15:36
BLK	0.000	15:38

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
WBL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010507 Test Number: 1004
Test Date: 09/25/2013 Test Time: 15:39 EDT

Technician Initials: HMS

Dry Gas Target: 0.138

Lot Number: 0771315013-04 Exp Date: 05/01/2015

Tank Pressure: 159 psi Barometric Pressure: 699 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:40
BLK	0.000	15:40
CHK	0.139	15:41
BLK	0.000	15:42
CHK	0.139	15:43
BLK	0.000	15:44
CHK	0.139	15:45
BLK	0.000	15:46

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
MSL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010507 Test Number: 1005
Test Date: 09/25/2013 Test Time: 15:48 EDT

Technician Initials: HMS

Dry Gas Target: 0.074

Lot Number: 0651208012-04 Exp Date: 04/01/2014

Tank Pressure: 169 psi Barometric Pressure: 699 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:48
BLK	0.000	15:49
CHK	0.074	15:50
BLK	0.000	15:51
CHK	0.074	15:51
BLK	0.000	15:53
CHK	0.074	15:53
BLK	0.000	15:55

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
NHL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010507 Test Number: 1006

Test Date: 09/25/2013 Test Time: 15:56 EDT

Technician Initials: HMS

Dry Gas Target: 0.018

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 252 psi Barometric Pressure: 699 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:56
BLK	0.000	15:57
CHK	0.018	15:58
BLK	0.000	15:59
CHK	0.018	16:00
BLK	0.000	16:01
CHK	0.018	16:02
BLK	0.000	16:03

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010507 Test Number: 1007

Test Date: 09/25/2013 Test Time: 16:05 EDT

Dry Gas Target: 0.276

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 281 psi Barometric Pressure: 699 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:06
CHK	0.277	16:07
BLK	0.000	16:08
CHK	0.277	16:09
BLK	0.000	16:11
CHK	0.277	16:11

Test Status: *Success*

Calibration CRC: 95EDC1E8

ANS

WHL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010507 Test Number: 1008

Test Date: 09/25/2013 Test Time: 16:14 EDT

Dry Gas Target: 0.092

Lot Number: AG320502-08 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 699 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:14
CHK	0.092	16:15
BLK	0.000	16:17
CHK	0.092	16:17
BLK	0.000	16:19
CHK	0.092	16:20

Test Status: *Success*

Calibration CRC: 95EDC1E8




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten signatures and initials in blue ink.

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/25/2013
TEST EQUIPMENT NUMBER 010507		

RESULTS: TIME SAMPLE TAKEN 16:27 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

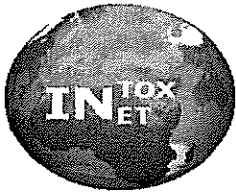
ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 27 Sep 2013 at 08:56

AMS
MSK

Test Results

Instrument Serial Number 010507

Test # 001009 Subject Test

Test Location 1 Department of
Test Date 25 Sep 2013

Test Location 2 Forensic Science
Test Time 16:21
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

Effective Date 10/01/2012

License Number 18910

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 25 Sep 2013 End Time 16:28

Result Time 16:27

Result Date 25 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 16:21

Data Type BLK

Sample Value 0.000

Sample Time 16:22

Data Type CHK

Sample Value 0.092

Sample Time 16:23

Data Type BLK

Sample Value 0.000

Sample Time 16:24

Data Type SUBJ

Sample Value 0.000

Sample Time 16:25

Data Type BLK

Sample Value 0.000

Sample Time 16:26

Data Type SUBJ

Sample Value 0.000

Sample Time 16:27

Data Type BLK

Sample Value 0.000

Sample Time 16:28

Standard Type Dry Gas Std

Standard Value 0.092

Standard Lot Number AG320502-08

Standard Expiration Date 07/24/2015

Tank Pressure 1115

Barometric Pressure 699 mmHg

Blow Sample Number 1 Blow Duration 3.43 sec

Blow Volume 1758 cc End-of-Blow Time 16:25

Blow Sample Number 2 Blow Duration 3.47 sec

Blow Volume 1702 cc End-of-Blow Time 16:27

Tamper Evident Stamp 233b19b9

Test Status Code 0

Test Status Success